(Published in the Salina Journal on March ___, 2005)

ORDINANCE NUMBER 05-10262

AN ORDINANCE AMENDING CHAPTER 14, ARTICLE III, DIVISION 3 OF THE SALINA CODE BY ADDING SECTION 14-71 PERTAINING TO LOCAL AMENDMENTS TO APPENDIX C OF THE 2003 INTERNATIONAL FIRE CODE REGARDING FIRE HYDRANT LOCATION AND DISTRIBUTION.

BE IT ORDAINED by the Governing Body of Salina, Kansas:

Section 1. That the Salina Code is hereby amended by adding a section to be numbered 14-71, which section reads as follows:

"Sec. 14-71. Amendment to Appendix C, Section C103.1 Fire hydrants available.
[Sections C103.1 and C1054 are hereby amended to read as follows:]

Sec. C103.1 Fire hydrants available. The minimum number of fire hydrants available to a building shall not be less than one (1) hydrant for every 1,500 (gpm) or fraction thereof as available or less required Fire Flow when applied to fire apparatus access roads and perimeter public streets from which fire operations could be conducted. Additional hydrants may be required based on extenuating circumstances as determined by the Fire Code Official.

Sec. C105 Distribution of Fire Hydrants
C105.1 Hydrant spacing. The average spacing between fire hydrants shall not exceed 500 feet.

Exception: The fire chief may accept a deficiency of up to 10 percent where existing. Fire hydrants provide all or a portion of the required fire hydrant service.

Regardless of the average spacing, fire hydrants shall be located such that all points on streets and access roads adjacent to a building are within 250 feet.

For SI: 1 foot = 304.8 mm, 1 gallon per minute = 3.785 L/m.

a. Reduced by 100 feet for dead-end streets and roads.
b. Where streets are provided with median dividers which can be crossed by fire fighters pulling hose lines, or where arterial streets are provided with four or more traffic lanes and have a traffic count of more than 30,000 vehicles per day, hydrant spacing shall average 500 feet on each side of the street and be arranged on an alternating basis.
c. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, fire hydrants shall be provided at spacing not to exceed 1,000 feet to provide for transportation hazards.
d. One hydrant for each 1,500 gallons per minute or fraction thereof.

Table C105.1 of appendix C is hereby deleted entirely."

Section 2. That Section 14-71 is hereby added.

Section 3. That this ordinance shall be in full force and effect from and after its adoption and publication once in the official city newspaper.

Introduced: February 14, 2005
Passed: February 28, 2005

Monte Shadwick, Mayor

[SEAL]
ATTEST:

Lieu Ann Elsey, CMC, City Clerk

CITY OF SALINA

REQUEST FOR CITY COMMISSION ACTION

DATE -/--/05

TIME 4:00 P.M.

AGENDA SECTION NO:	ORIGINATING DEPARTMENT:	APPROVED FOR AGENDA:
ITEM NO. Page 1	BY: FIRE	BY: City Manager

ITEM:

A request for approval of Ordinance 05-10262 revising chapter 14 in the Salina Municipal Code by adding Section 14-71 amending the 2003 International Fire Code Appendix C regarding Fire Hydrant location and distribution.

BACKGROUND:

The proposed amendment of Appendix C of the International Fire Code clarifies and simplifies requirements for placement of fire hydrants for the protection of buildings and property within the City of Salina. This amendment will allow application to be consistent with past practice.

The amendment results in two modifications to the adopted 2003 Fire Code.

1. Required Fire Hydrants – The minimum number of hydrants available to a building shall not be less than one (1) for every 1500gpm or fraction thereof as available of required Fire Flow. This is a change from one (1) for every 1000gpm thus reducing the number of required hydrants as long as sufficient water supply is available.

2. Hydrant Spacing – The average spacing between fire hydrants shall be 500’ and shall be located with in 250’ of the building to be served. Instead of having variable spacing, the spacing is set at 500’ and 250’. Table C105.1 of the International Fire Code is deleted entirely.

An orientation meeting was held for design professionals on Wednesday February 2, 2005. The proposed amendment was presented to the Building Advisory Board at their regularly scheduled monthly meeting Tuesday, February 08, 2005.

The Board voted to recommend the amendment to the adopted Fire Code. A copy of the revised ordinance and amended Appendix C of the 2003 International Fire Code are attached.

FISCAL NOTE:

N/A

RECOMMENDED ACTION:

City staff recommends Commission adoption of Ordinances 05-10262.

SECTION C101
GENERAL

C101.1 Scope. Fire hydrants shall be provided in accordance with this appendix for the protection of buildings, or portions of buildings, hereafter constructed.

SECTION C102
LOCATION

C102.1 Fire Hydrant locations. Fire hydrants shall be provided along required fire apparatus access roads and adjacent public streets.

SECTION C103
NUMBER OF FIRE HYDRANTS

***C*103.1 Fire hydrants available.** The minimum number of fire hydrants available to a building shall not be less than **one (1) hydrant for every 1,500 (gpm) or less required Fire Flow when applied to fire apparatus access roads and perimeter public streets from which fire operations could be conducted. Additional hydrants may be required based on extenuating circumstances as determined by the Fire Code Official.**

SECTION C104
CONSIDERATION OF EXISTING FIRE HYDRANTS

C104.1 Existing fire hydrants. Existing fire hydrants on public streets are allowed to be considered as available. Existing fire hydrants on adjacent properties shall not be considered available unless fire apparatus access roads extend between properties and easements are established to prevent obstruction of such roads.

SECTION 105
DISTRIBUTION OF FIRE HYDRANTS

C105.1 Hydrant spacing. The average spacing between fire hydrants shall not exceed **500 feet**.**Exception:** The Fire Chief is authorized to accept a deficiency of up to 10 percent where existing fire hydrants provide all or a portion of the required fire hydrant service.

Regardless of the average spacing, fire hydrants shall be located such that all points on streets and access roads adjacent to a building are within . **250 feet.**

For SI: 1 foot=304.8 mm, 1 gallon per minute =3.785 L/m.

a; Reduce by 100 feet for dead-end streets or roads.

b. Where street are provided, with median dividers which can be crossed by fire fighters pulling hose lines, or where arterial streets are provided with four or more traffic lanes and have a traffic count of more than 30,000 vehicles per day, hydrant spacing shall average 500 feet on each side of the street and be arranged on an alternating basis up to a fire-flow requirement of 7,000 gallons per minute and 400 feet for higher fire-flow requirements.

c. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, fire hydrants shall be provided at spacing not to exceed 1,000 feet to provide for transportation hazards.

d. Reduce by 50 feet for dead-end streets or roads.

e. One hydrant for each **1500** gallons per minute or fraction thereof as available.